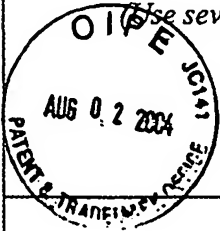


Form PTO-1449 U.S. DEPARTMENT OF COMMERCE
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Atty. Docket No. (Optional)

8920ZYXAZ (ETH-1437CON)

Application Number

10/644,665

Applicant(s)

David D. Demarest, et al.

Filing Date

August 20, 2003

Group Art Unit

~~3651~~ 3651**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (if appropriate)

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
JRB	1.	61-235315	10/20/1986	Japan				
JRB	2.	5-238557	9/17/1993	Japan				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

J R Bidwell

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JRB.	4,187,051	2/5/80	Kirsch et al.	—	—	
	4,437,114	3/13/84	LaRussa	—	—	
	4,651,879	3/24/87	Harris et al.	—	—	
	4,674,869	6/23/87	Pryor et al.	—	—	
	4,744,035	5/10/88	Hashim	—	—	
	4,835,450	5/30/89	Suzuki	—	—	
	5,065,237	11/12/91	Tsikos et al.	—	—	
	5,813,517	9/98	Logeman et al.	—	—	
Y	5,150,307	9/22/92	McCourt et al.	—	—	
JRB.	5,195,234	3/23/93	Pine et al.	—	—	

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
JRB.	581,699	2/2/94	Europe				
	63-299834	12/7/88	Japan				
Y	59-158719	9/84	Japan				
JRB.	2167211	5/86	Britian				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
JRB	5,253,765	10/19/93	Moorehead et al.	—	—	
	5,473,810	12/12/95	Demarest et al.	—	—	
	5,370,216	12/6/94	Tsuruyama et al.	—	—	
	3,611,551	10/71	Shave et al.	—	—	
	3,980,177	9/76	McGregor	—	—	
	4,011,155	3/77	Feurstein et al.	—	—	
	4,909,376	3/90	Herndon et al.	—	—	
	4,922,904	5/90	Uetake et al.	—	—	
	3,815,730	6/74	Zwiep et al.	—	—	
V	5,531,312	7/96	Dickey	—	—	
JRB	4,733,520	3/29/88	Rabbi	—	—	

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						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JRB.	5,526,917	6/18/96	Homma			
JRB.	4,382,527	5/83	Lenner			

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

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